	A	B	C	D
1	Unit ID	Description	Air Pollution Control Devices	Monitoring Requirements
2	B006	#2 Boiler (E-91)	none	Sulfur content of oil
3				Quantity of oil received
4				Type of fuel burned other than NG or No. 2 oil
5				Annual records of amount of No. 2 oil burned
6	P002	CER Color Blending (E-6)	Baghouse	VE checks
7	P003	CER Color Milling (E-7)	Baghouse	VE checks
8	P005	Tunnel Kiln #4 (E-9)	Baghouse	VE checks
9	P006	Copper Calciner (E-10)	2 Baghouses	Baghouse pressure drop (1-5"WC)
10				Type of fuel burned other than NG
11	P009	Rotary Calciner #4 (E-13-1)	TriMer Scrubber and baghouse	Baghouse Pressure drop (0.3-4.5"WC)
12				Type of fuel burned other than NG
13				Method 9 VE reading
14				TriMer 1st Stage Pressure Drop (0-1.5"WC)
15				TriMer 2nd Stage Pressure Drop (1-4"WC)
16				TriMer 3rd Stage Pressure Drop (3-6"WC)
17				TriMer scrubber water flow rate (>50 gal/min)
18				TriMer scrubber water pH (10-13)
19				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
20	P010	Rotary Calciner #1 (E-14)	F-1 Scrubber, TriMer Scrubber,	Type of fuel burned other than NG
21			and baghouse	VE checks
22				Method 9 VE reading
23				TriMer 1st Stage Pressure Drop (0-1.5"WC)
24				TriMer 2nd Stage Pressure Drop (1-4"WC)
25				TriMer 3rd Stage Pressure Drop (3-6"WC)
26				TriMer scrubber water flow rate (>50 gal/min)
27				TriMer scrubber water pH (10-13)
28				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
29	P018	Wyssmont Drier (E-22)	Baghouse	Baghouse pressure drop (1-6"WC)
30	P022	CU/BI Calciners (E-26)	Packed tower scrubber	VE checks
31				Wet Scrubber pH (12-14)
32				Wet scrubber pressure drop (>2"WC)
33				Scrubber water flow rate (>30 gal/min)
34				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
35	P024	Gen Cat Reaction Tanks (E-28)	Wet scrubber	VE checks
36	P025	B-3 & B-4 Littleford Mixers (E-29)	2 baghouses and wet scrubber	VE checks
37	P026	Double Cone Blenders B-1&2 (E-30)	Wet scrubber	VE checks
38	P028	Gen Cat Extruders (E-32)	Baghouse	VE checks
39	P030	CER Color Blend and Mill (E-34)	Baghouse	VE checks
40	P031	CER Color Blend, Crush, Mill (E-35)	Baghouse	VE checks
41	P050	Misc Tablet Mix Equipt (E-54)	3 Baghouses	VE checks
42	P051	J.H. Day Blenders (E-55)	Baghouse	VE checks
43	P053	Nickel Tablet System (E-57)	2 Baghouses	VE checks
44	P054	Iron Room Tablet (E-58)	3 Baghouses	VE checks
45	P055	Zinc Tablet Mix (E-59)	Baghouse and a wet scrubber	VE checks
46	P056	Lunch Room Tablet (E-60)	Multiclone	VE checks
47	P058	CER Color Pulverizer (E-62)	2 Baghouses	VE checks
48	P059	Color Jetmill (E-94)	Baghouse E-12808	Baghouse pressure drop (1-5"WC)
49	P068	Wolverine Dryer and Vert Calciner (E-75)	Baghouse	Baghouse pressure drop (2-6"WC)
50				Type of fuel burned other than NG
51	P069	P-K Blender (E-76)	Baghouse	VE checks
52	P070	CU/CR Strike Tanks (E-77)	Wet scrubber	Scrubber pressure drop (>1"WC)
53				Scrubber water flow rate (>25 gal/min)
54				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
55	P077	P&S Drier in HC-11 (E-84)	Baghouse	Baghouse pressure drop (1-5"WC)
56				Type of fuel burned other than NG
57	P080	Rotary Calciner #5 (E-13)	TriMer Scrubber and baghouse	Type of fuel burned other than NG
58				VE checks
59				TriMer 1st Stage Pressure Drop (0-0.6"WC)
60				TriMer 2nd Stage Pressure Drop (1-3"WC)
61				TriMer 3rd Stage Pressure Drop (3-5"WC)
62				TriMer scrubber water flow rate (>50 gal/min)
63				TriMer scrubber water pH (10-12)
64				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
65	P083	Shuttle Kiln #1 (E-88)	2 Baghouses	VE checks
66	P086	Gen Cat P&S Dryers #2 & #3	Viron scrubber #1 & #2	Scrubber pressure drop (>1"WC)

Sheet1

	E	F	G	H	I	J	K	L
1	Monitoring Frequency	Enforceability	Reporting	Monitoring/Recordkeeping Form	Total 1st Quarter	Total 2nd Quarter	Total Semi-Annual	Input to Report?
2	each shipment	Fed & State	Quarterly oil usage and quality data		0	0	0	NA
3		Fed & State	30-day Deviation Report		0	0	0	NA
4	daily	Fed & State		Operating Record	0	0	0	NA
5	daily	State only	Annual oil usage exceedance report		0	0	0	NA
6	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
7	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
8	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
9	daily	Fed & State	Quarterly Deviation Report	Calciner Baghouse Reading Form	2	0	2	Y
10	daily	Fed & State	Quarterly Deviation Report	Operating Record	0	0	0	NA
11	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.1	4	1	5	Y
12	daily	Fed & State	Quarterly Deviation Report	Operating Record	0	0	0	NA
13	quarterly	Fed & State	Quarterly Deviation Report		0	0	0	Y
14	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	0	1	Y
15	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	0	1	NA
16	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	0	1	NA
17	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	0	1	NA
18	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	0	1	NA
19	daily	State only		Operating Record	0	0	Operating Reocrd	NA
20	daily	Fed & State	Quarterly Deviation Report	Operating Record	0	0	0	NA
21	weekly	Fed & State	Semi-annual VE report		4	0	1	Y
22	quarterly	Fed & State	Quarterly VE report		0	0	0	Y
23	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	1	2	Y
24	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	1	2	Y
25	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1	1	2	Y
26	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	3	3	6	Y
27	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	3	3	6	Y
28	daily	State only		Operating Record	0	0	Operating Reocrd	NA
29	daily	Fed & State	Quarterly Deviation Report	Wyssmont Drier DC Reading Form	1	5	6	Y
30	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
31	once per shift	State only	Quarterly Deviation Report		0	0	Shutdown	NA
32	weekly	State only	Quarterly Deviation Report		0	0	Shutdown	NA
33	weekly	State only	Quarterly Deviation Report		0	0	Shutdown	NA
34	daily	State only			0	0	Shutdown	NA
35	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
36	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
37	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
38	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
39	weekly	Fed & State	Semi-annual VE report				Shutdown	NA
40	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
41	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
42	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
43	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
44	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
45	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
46	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
47	weekly	Fed & State	Semi-annual VE report		0	0	Shutdown	NA
48	daily	Fed & State	Quarterly Deviation Report		0	0	Shutdown	NA
49	daily	Fed & State	Quarterly Deviation Report		0	0	Shutdown	NA
50	daily	Fed & State	Deviation report	Operating Record	0	0	Shutdown	NA
51	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
52	daily	Fed & State	Quarterly Deviation Report	NH3 and HNO3 Scrubber Reading Form	9	0	9	Y
53	daily	Fed & State	Quarterly Deviation Report	NH3 and HNO3 Scrubber Reading Form	9	0	9	Y
54	daily	Fed & State		Operating Record	0	0	Operating Reocrd	NA
55	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.1	0	0	Shutdown	NA
56	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	0	NA
57	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	0	
58	weekly	Fed & State	Semi-annual Deviation Report		4	0	4	Y
59	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	6	1	7	Y
60	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	6	1	7	NA
61	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	6	1	7	NA
62	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	6	1	7	NA
63	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	6	1	7	NA
64	daily	State only		Operating Record	0	0	Operating Reocrd	
65	weekly	Fed & State	Semi-annual Deviation Report		0	0	Shutdown	
66	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.1	1	0	1	Y

	A	B	C	D
67				Scrubber water flow rate (>2 gal/min)
68				Type of fuel burned other than NG
69				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
70				Scrubber liquor pH (6-11)
71	P089	#2 Shuttle Kiln (E-92)	2 baghouses	VE checks
72	P094	Spin Flash Dryer (E-100)	none	VE checks
73	P095	Copper Calciner #2 (E-101)	3 baghouses	Baghouse pressure drop (1-6"WC) - 3 baghouses
74				Type of fuel burned other than NG
75	P097	Bldg 24 West Tabletting	2 baghouses and wet scrubber	VE checks
76	P098	Bldg 25 East Tabletting	baghouse	VE checks
77	P099	PK Blender #2 (E-103)	baghouse and a wet scrubber	VE checks
78				Baghouse pressure drop (3-5"WC)
79				Scrubber pressure drop (>2"WC)
80				Scrubber water flow rate (as recommended by manfctrer)
81				Operating record
82	P100	Tunnel Kiln #2 (E-8)	baghouse	VE checks
83	P101	Tunnel Kiln #3 (E-8)	baghouse	VE checks
84	P102	Rotary Calciner #2	F-1 Scrubber, TriMer Scrubber,	Type of fuel burned other than NG
85			SCR unit and baghouse	VE checks (baghouse???)
86				Method 9 VE reading
87				TriMer 2nd Stage Pressure Drop (1-3"WC)
88				TriMer 3rd Stage Pressure Drop (3-5"WC)
89				TriMer scrubber water flow rate (>50 gal/min)
90				TriMer scrubber water pH (10-12)
91				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
92	P103	Rotary Calciner #3	F-1 Scrubber, TriMer Scrubber,	Type of fuel burned other than NG
93			SCR unit and baghouse	VE checks (baghouse???)
94				Method 9 VE reading
95				TriMer 2nd Stage Pressure Drop (1-3"WC)
96				TriMer 3rd Stage Pressure Drop (3-5"WC)
97				TriMer scrubber water flow rate (>50 gal/min)
98				TriMer scrubber water pH (10-12)
99				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
100	P104	Iron Catalyst Mixing (E-104)	Baghouse	Baghouse pressure drop (3-5"WC)
101	P106	National Dryer	Baghouse	Baghouse pressure drop (1-4"WC)
102	PTI			VE checks
103				Type of fuel burned other than NG
104	P105	Gravity Bed Separator	Dust collector	Baghouse pressure drop (1-4"WC)
105	PTI			VE checks
106				
109		**DEVIATIONS**		
110		Breakdown of Type	1st Half 2013	1st Quarter
111		Operating outside permit parameters	1290	738
112		Operations failure to complete forms	167	133
113		Data collection failure do to inaccurate forms	48	48
114		Visible emissions checks	72	72
115		Total	1577	991
119		**BREAKDOWN OF OPERATING OUTSIDE PARAMETERS DEVIATIONS**		
121		TriMer	852	426
122		Others	438	312
123		% Trimer	66	58

	E	F	G	H	I	J	K	L
67	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.1	1	0	1	NA
68	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	0	NA
69	daily	Fed & State		Operating Record	0	0	Operating Reocrd	NA
70	once per shift	State only	Quarterly Deviation Report	Daily Emission Units Report pg.1	1	0	1	Y
71	weekly	Fed & State	Semi-annual VE report		0		Shutdown	
72	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
73	daily	Fed & State	Quarterly Deviation Report	Calciner Baghouse Reading Form	6	0	6	Y
74	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	0	NA
75	weekly	Fed & State	Semi-annual VE report		4	0	Shutdown	NA
76	weekly	Fed & State	Semi-annual VE report		4	0	0	Y
77	weekly	Fed & State	Semi-annual Deviation Report		4	0	4	Y
78	daily	State only	Quarterly Deviation Report	Daily Emission Units Report pg.1	9	0	9	Y
79	daily	State only	Quarterly Deviation Report	Daily Emission Units Report pg.1	9	0	9	Y
80	daily	State only	Quarterly Deviation Report	Daily Emission Units Report pg.1	0	0	9	Y
81				Operating Record	0	0	Operating Reocrd	NA
82	weekly	Fed & State	Semi-annual VE report		4	0	4	Y
83	weekly	Fed & State	Semi-annual VE report		4	0	0	NA
84	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	0	NA
85	daily	Fed & State	Semi-annual VE report		4	0	96	Y
86	quarterly	Fed & State	Quarterly VE report		0	0	1	Y
87	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
88	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
89	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
90	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
91	daily	State only		Operating Record	0	0	Operating Reocrd	NA
92	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	0	NA
93	daily	Fed & State	Semi-annual VE report		43	0	0	Y
94	quarterly	Fed & State	Quarterly VE report		0	0	0	Y
95	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
96	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
97	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
98	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	0	0	0	NA
99	daily	State only		Operating Record	0	0	Operating Reocrd	NA
100	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.1	0	0	Shutdown	NA
101	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.1	21	7	28	Y
102	daily	Fed & State	Semi-annual VE report	Daily Emission Units Report pg.1	25	7	32	Y
103	daily	Fed & State	30-day Deviation Report	Operating Record	0	0	Operating Reocrd	NA
104	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report pg.2	0	0	0	Y
105	daily	Fed & State	Semi-annual VE report		0	0	0	Y
106					257	34		
109								
110	2nd Quarter							
111	552							
112	34							
113	0							
114	0							
115	586							
119								
121	426							
122	126							
123	82							